IN THE CLAIM

Please amend claims 1, 2, 4, 5, 8, 9, 10 - 18, and 34 - 38, as follows;

1. (Thrice Amended) A video printer, comprising:

data conversion means responsive to first data representative of successive lines of a video raster scan, for deriving second data representative of successive columns of video data extending transversely across lines of said video raster scan from said first data, said data conversion means comprising memory means for storing said first data [representative of fields of said video raster scan] at every vertical line for each color, and means for converting said first data stored in said memory means for successive fields of [the] said video raster scan[,] into [the] columns of said second data during respective [successive periods associated with the occurrence of] successive field periods of [the] said video raster scan; and means for printing the columns of said second data successively.

2. (Thrice Amended) A video printer according to claim 1, wherein <u>said</u> successive [fields] <u>field periods</u> of [the] <u>said</u> video raster scan [have associated] <u>comprise respective</u> blanking periods, and [the columns of second] <u>said first</u> data are read from [the] <u>said</u> memory means <u>for conversion into the columns of said second data</u> during corresponding successive ones of [the] <u>said</u> blanking periods.

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4. (Thrice Amended) A video printer according to claim 1, wherein [said raster scan data represents of a color video display, and] said memory means comprises a plurality of memory units for storing [signals representing corresponding] said first data in a different [colors] color for each field of said video [the] raster scan [field].

5. (Twice Amended) A video printer according to claim 4, wherein [the] said printing means [operates to print said] prints different [color representing signals] colors of said second data sequentially [successively].

8. (Twice Amended) A video printer according to claim 5, wherein each color representing said second data for [a] each field of said video raster scan stored in [the] said memory means is printed during a blanking period [associated with] in a respective field period of [the] said video raster scan.

9. (Twice Amended) A high speed color video printer, comprising:

means for storing digital video signals in an internal memory as video data, reading [and accommodating printing of] a column unit of said video data stored in said internal memory during [one field period of each blanking signal] a synchronizing and equalizing pulse period within a blanking interval of a field period, and applying a field unit of said video data for a visual display providing a variable visual image during a [residual period] remainder of said field period that excludes said blanking interval [field period of reading and enabling printing of said

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8 video dataj;

selection means for selectively providing one color of said video data from said column unit of <u>said</u> video data <u>read from said internal memory during said synchronizing and equalizing</u> pulse period;

line memory means for [enabling printing by] storing said one color of said video data from said column unit of said video data provided from said selection means during said synchronizing and equalizing pulse period [and then reading said video data selectively provided by said selection means]; [and]

means for enabling printing said one color of said video data from said column unit of said video data when said one color of said video data from said column unit of said video data is read from said line memory means during a remainder of said field period that excludes said synchronizing and equalizing pulse period; and

digital-to-analog converter means for [enabling said display by] converting said field [units] unit of said video data into analog signals for enabling said visual display of said video data.

10. (Twice Amended) A high speed color video printer, comprising:

means for providing color video data from a video signal;

data conversion means for storing said color video data in an internal memory [at recording addresses generated by said recording address generating means in response to a recording signal], and for selectively reading [the stored] said color video data [of the] stored in

said internal memory in columns [at printing addresses generated in said printing address generating means and] corresponding to pixels of a raster scan of an interlaced video field [for printing in response to a printing signal]; [and]

line memory means for [providing] storing said [selectively read] color video data selectively read from said internal memory in columns; and

<u>printer means</u> for column-by-column printing [by storing] said [selectively read] color video data <u>selectively read from said line memory means</u> [in columns].

11. (Amended) The high speed color video printer of claim 10, [wherein said] further comprising printing address generating means [generates said] for generating printing addresses for enabling selective reading of said color video data from said internal memory during a vertical synchronizing and equalizing pulse period of a blanking interval of a first field period, and enabling said printer means to print [printing of] a first of said columns of said [selectively read] color video data selectively read from said internal memory during [a vertical synchronizing and equalizing pulse period of a blanking interval of] a remainder of said first field period that excludes said vertical synchronizing and equalizing pulse period.

12. (Amended) The high speed color video printer of claim 10, [wherein said] further comprising printing address generating means [generates said] for generating printing addresses for enabling said printer means to print [printing] a number n of said columns of said [selectively read] color video data selectively read from said internal memory during [a vertical]

- synchronizing and equalizing pulse period of a blanking interval of] a number n field period,
- where n is an integer ranging sequentially from 1 to a number of columns in a frame.
 - 13. (Twice Amended) The high speed color video printer of claim 10, further comprising display means for displaying said [stored] color video data selectively read from said [of the] internal memory [of the data conversion means in response to a monitoring signal].
 - 14. (Amended) The high speed color video printer of claim 13, wherein said data conversion means further comprises monitoring address generating means for providing monitoring addresses of odd rows and monitoring addresses of even rows of said color video data stored in said internal memory for enabling field units of said stored color video data to be displayed on said display means [by generating said monitoring addresses of said internal memory].
 - 15. (Twice Amended) The high speed color video printer of claim 14, wherein after said data conversion means has selectively read said color video data for printing, said data conversion means first provides said odd rows of an odd field of a frame of said color video data to said display [displaying] means for displaying said odd rows of said odd field of said frame during a remainder of an odd field period of said odd field and second provides said even rows of an even field of said color video data to [the displaying] said display means during a remainder of an even field period of said even field.

8	16. (Twice Amended) The high speed color video printer of claim 10, wherein said
9	internal memory comprises:
10	a first discrete memory for exclusively storing red chrominance components of said color
11	video data [in correspondence with said recording addresses];
12	a second discrete memory for exclusively storing green chrominance components of said
13	color video data [in correspondence with said recording addresses]; and
14	a third discrete memory for exclusively storing blue chrominance components of said
15	color video data [in correspondence with said recording addresses].
) 1 /	17. (Amended) A [high speed color video] printer, comprising:
PAX.	means for separating a luminance component and a chrominance component of a video
3	signal;
4	first switching means for providing, in response to a first selection signal, a first switch
5	signal representative of one of a super video signal and said luminance and chrominance
6	components of said video signal;
7	decoding means for providing sync signals and chrominance components in response to
8	the first [switching] switch signal;
9	second switching means for providing, in response to a second selection signal, a second
10	[switching output signals] switch signal representative of one of said sync signals and said
11	chrominance components [and said sync signal] provided from the decoding means, and external

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color and sync signals;

13	analog-to-digital converting means for providing converted chrominance components and
14	converted external color signals by converting said second switch signal;
15	data converting means for providing color video data corresponding to said one of
16	converted chrominance components and converted external color signals in response to a mode
17	signal;
18	third switching means for selectively applying said color video data to line memory means
19	in response to a third selection signal; [and]
20	[an] intermediate gradation converting [circuit] means for providing said color video data
21	of [the] said line memory means in columns to a thermal print head for printing; and
22) K	controlling means for generating said first, second, third selection signals and said mode
23 07/	signal to control operation of said printer.
1	18. (Twice Amended) The printer of claim 17, further comprised of said data
2	[converter] converting means comprising:

internal memory means for storing said color video data[, said internal memory means comprising a print output port and a display output port];

recording address generating means for providing recording addresses [in] <u>for enabling</u> said internal memory means [for storing] <u>to store</u> said color video data <u>on a frame-by-frame</u> <u>basis</u> [by generating said recording addresses] in response to a recording mode signal;

printing address generating means for providing printing addresses [of] for enabling said color video data stored in said internal memory means [of said color video data] in columns to

be applied to said line memory means for printing [in columns by generating said printing addresses] in response to a printing mode signal;

monitoring addresses generating means for providing monitoring addresses of odd rows and monitoring addresses of even rows of said color video data for enabling said color video data stored in said internal memory means to be displayed on a monitor [by generating said monitoring addresses of said internal memory means] in response to a monitoring mode signal; [and]

addresses selector means for selecting one of said recording addresses, said printing addresses and said monitoring addresses in response respectively to one of said recording mode signal, said printing mode signal and said monitoring mode signal; and

said controlling means controlling generation of said recording mode signal, said printing mode signal, said monitoring mode signal.

34. (Amended) The <u>video</u> printer of claim 1, wherein said [deriving] <u>data</u> conversion means <u>further</u> comprises: [printing address generating means,]

recording address generating means [and an internal memory, said deriving means] for generating recording addresses enabling storing color video [data] components of said first data in [the internal] said memory means; [at recording addresses generated by said recording address generating means in response to a recording signal applied to said deriving means and, said]

printing address generating means for generating printing addresses enabling selectively reading of said [stored] color video [data of the internal] components of said first data stored in

said memory means in said columns of said second data [at printing addresses generated in said printing address generating means and corresponding to pixels of a raster scan of an interlaced video field, said selective reading provided for] and enabling printing of visual images representative of [said] color video components of said second data [in response to a printing signal]; and

line memory means for providing said [selectively read] color video components of said second data selectively read from said memory means for column-by-column printing by storing said [selectively read] color video components of said first data in columns.

35. (Amended) The <u>video</u> printer of claim 34, wherein said printing address generating means generates said printing addresses for printing of a first of said columns of [said] the selectively read [color video] <u>second</u> data during a vertical synchronizing and equalizing pulse period of a blanking interval of a first field period.

36. (Amended) The <u>video</u> printer of claim 34, wherein said printing address generating means generates said printing addresses for printing a number n of said columns of [said] <u>the</u> selectively read [color video] <u>second</u> data during a vertical synchronizing and equalizing pulse period of a blanking interval of a number n field period, where n is an integer ranging sequentially from 1 to a number of columns in a frame.

37. (Amended) The video printer of claim 34, wherein said [deriving] data

conversion means further comprises monitoring address generating means for providing monitoring addresses of odd rows and monitoring addresses of even rows of said color video components of said first data stored in said [internal] memory means for enabling field units of said color video components of said second data selectively read from said memory means to be displayed on display means [by generating said monitoring addresses of said internal memory].



38. (Amended) The <u>video</u> printer of claim 34, wherein after said [deriving] <u>data</u> <u>conversion</u> means has selectively read said [color video] <u>second</u> data for printing, said [deriving] <u>data conversion</u> means first provides said odd rows of an odd field of a frame of said color video <u>components of said second</u> data to [the displaying] <u>display</u> means during a remainder of an odd field <u>period</u> of said odd field <u>for enabling a visual display of said second data on said display means</u>, and [second] <u>then</u> provides said even rows of an even field of said color video <u>components of said second</u> data to [the displaying] <u>said display</u> means during a remainder of an even field <u>period</u> of said even field <u>for enabling said visual display of said second data on said display means</u>.

